

INTERNATIONAL SEARCH REPORT

International Publication No.

PCT/NO 03/00184

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B60G 7/00, B23K 37/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B60G, B62D, B23K, F16C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE WPI Week 200176 Derwent Publications Ltd, London, GB; Class P52, AN 2001-659433 & JP 2001269740 A (TOKAI RUBBER IND LTD) 02 October 2001 (2001-10-02) fig 1,4,5; abstract	1,7,8
X	PATENT ABSTRACTS OF JAPAN vol 1999, no 09, 30 July 1999 (1999-07-30) & JP 11099415 A (UNIPRES CORP et al) 13 April 1999 (1999-0413) fig 1,2; abstract	1,7,8
Y		3

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

18 Sept 2003

Date of mailing of the international search report

19-09-2003

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4189249 A (GAINES ET AL), 19 February 1980 (19.02.80), figures 1,2, abstract	3
X	<p> DATABASE WPI Week 200164 Derwent Publications Ltd, London, GB; Class P55, AN 2001-568433 & JP 2001206031 A (SHOWA ALUMINUM CORP) 31 July 2001 (2001-07-31) fig 9; abstract </p>	1,3
A	<p> PATENT ABSTRACTS OF JAPAN Vol 011076 07 March 1987, (1987-03-07) & JP 61233214 A (MITSUBISHI STEEL MFG CO LTD) 17 October 1987 (1987-10-17) fig 2,7; abstract </p>	4-6
X,P	EP 1329343 A2 (REMPÉL STANZTECHNIK GMBH & CO KG), 23 July 2003 (23.07.03), figure 6, abstract	1,4-8

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/NO03/00184**Box I** Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see next sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

This International Searching Authority found multiple inventions in this international application. The claims 1-8 do not involve a special technical feature required in PCT Rule 13.2 for unity of invention and are considered to involve five inventions.

The first two inventions are considered to lack unity *á priori* and are as follows:

Claim 1-4, 7 and 8: A method for production of a torsion rod where the parts are positioned in a jig and the jig for producing the same torsion rod.

Claim 5-6: A torsion rod where the end houses are made of a plate like material.

As the invention according to claim 1 is disclosed in JP2001269740 A, the inventions according to claims 2-4 are also considered to lack unity. None of the inventions has any special technical feature in common. Therefore, there are an additional three inventions that lack unity *a posteriori* claimed in this International application and they are as follows:

Claim 2: A method for production of a torsion rod where there is a heat insulation part in one of the end houses.

Claim 3: A method for production of a torsion rod where the parts in the torsion rod is individually moveable in an angular direction

Claim 4: A method for production of a torsion rod where the end houses are made of a plate like material

INTERNATIONAL SEARCH REPORT

Information on patent family members

26/07/03

International Application No.

PCT/NO 03/00184

Patent document cited in search report			Publication date	Patent family member(s)	Publication date
US	4189249	A	19/02/80	NONE	
EP	1329343	A2	23/07/03	NONE	